



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY  
EXAMINATIONS 2018/2019 ACADEMIC  
YEAR**

**SECOND YEAR FIRST SEMESTER**

**SCHOOL OF TOURISM AND NATURAL  
RESOURCE MANAGEMENT  
BACHELOR OF SCIENCE IN ANIMAL  
HEALTH AND PRODUCTION**

**COURSE CODE: AHP 2203**

**COURSE TITLE: APICULTURE AND  
AQUACULTURE**

**DATE: 24<sup>TH</sup> APRIL 2019  
10.30AM**

**TIME: 8.30AM -**

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## **INSTRUCTIONS TO CANDIDATES**

Answer **ALL** questions. **ALL QUESTIONS ARE COMPULSORY:**

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- Q (a) List five (5) species of bees found in Africa.  
1. ) **(5 marks)**  
(b) Name five (5) types of hives used in beekeeping.  
) **(5 marks)**  
(c) Discuss the importance of bees to the Kenyan economy.  
) **(10 marks)**
- Q (a) Briefly describe the biology and the importance of the  
2. ) stingless bee in Kenya.  
**(6 marks).**  
(b) Discuss the pheromone glands and their role in the co-  
) ordination and functioning of the hive.  
**(14 marks)**
- Q (a) List Six diseases of bees, listed in the OIE Terrestrial  
3. ) Animal Health Code.  
**(6 marks)**  
(b) Discuss in detail one (1) disease of bees named in Q3  
) (a) above.  
**(8 marks)**  
(c) Discuss briefly apiary management practices.  
) **(6 marks)**
- Q (a) Define the following terms:  
4 ) (i) Aquaculture  
**(1 mark)**

(ii) Blue Economy  
**(1 mark)**

(b) Describe briefly the main types of aquaculture.

) **(3 marks)**

(c) List 3 groups of organisms that are the main stay of aquaculture.

) **(3 marks)**

(d) Describe the role of aquaculture in the achievement of the Vision 2030.

) **(12 marks)**

Q (a) Discuss the factors that contribute to the post-harvest  
5 ) losses in aquaculture.

) **(8 marks)**

(b) Discuss two risks associated with aquaculture and their management approaches.

) **(8 marks)**

(c) State four (4) factors considered when siting a fish pond.

) **(4 marks)**

\*\*\*\*\*The End

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